

Saving Money and the Environment with Your ENERGY STAR® Labeled Copier



INSERT COMPANY
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SAVING YOUR MONEY

Lower Utility Bills

Your ENERGY STAR® compliant copier saves you money *directly* by reducing your utility bill. By going into standby mode, and shutting off at the end of each work day, an ENERGY STAR compliant copier will reduce your electricity use by over 50%. For a single high-speed (44 or more images per minute) copier, this results in an annual savings of up to \$125 on your electric bill. For the entire United States, this could mean a direct utility savings of \$200 million, with the potential to save additionally on the cost of cooling the office, since copiers with ENERGY STAR features emit less heat.

Reduced Paper Expenses

If you use your copier to enhance your paper efficiency, you can save even more money on paper, mailing, filing, and storage costs. Paper efficiency is making the most productive use of your paper—using both sides, making only the number of copies required, corresponding electronically when practical—to allow you to spend less time and money filing, looking for papers, copying, mailing, and faxing. An office using a high-speed ENERGY STAR labeled copier can save \$1,600 in paper purchases each year. At the national level, ENERGY STAR offers a potential savings of *\$670 million* in paper purchases by increasing the duplexing rate to an average of 60%, not to mention savings in disposal or recycling, and tremendous energy savings in the process of making paper!

Savings on Postage, Filing, and Storage

ENERGY STAR labeled copiers help increase your paper efficiency by incorporating an automatic duplex mode on high-speed machines. By increasing the duplexing rate, you can build upon your paper savings by reducing expenses for postage and express delivery due to the lighter weight of your documents—up to \$2,500 in postage savings per year! You will also decrease your file storage needs by increasing paper efficiency.

ENERGY STAR is a
U.S. registered mark.



SAVING THE EARTH

Energy and the Environment: What's the Connection?

The power used to operate copiers and other office equipment is supplied through your electric utility. In addition, the manufacturing of paper requires a large amount of energy, much of that coming from electric utilities. Most of the utilities in the United States generate electricity using fossil fuels such as coal, oil, and natural gas. When these fuels are burned, they release carbon dioxide and other substances into the air. Carbon dioxide is one of the primary "greenhouse gases" leading to global climate change. Some of the other substances contribute to well-known air pollution problems, such as acid rain and smog.

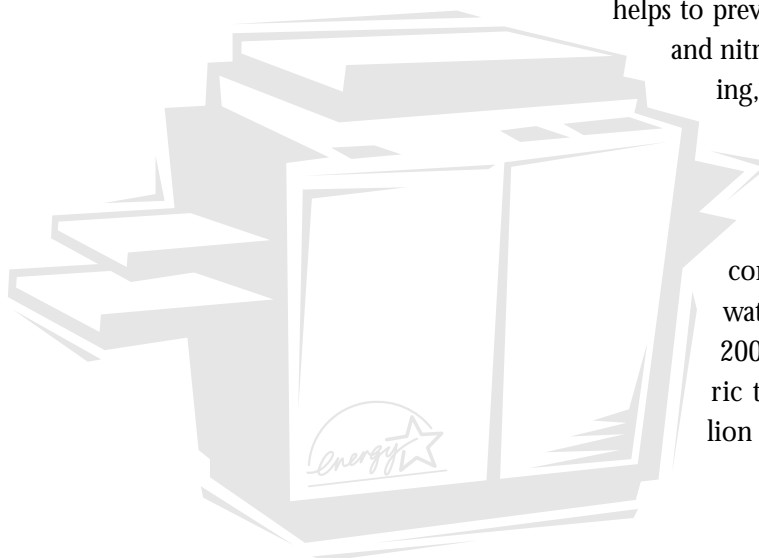
What Do We Mean by Global Warming, or Climate Change?

Scientists increasingly agree that global climate change is a real and serious threat to the Earth. The Intergovernmental Panel on Climate Change announced its findings in 1996 that human activities—primarily the consumption of energy—have influenced recent changes in global climate. The effects of climate change are drastic, including a rise in average global temperatures, possibly resulting in more extreme weather conditions, rising sea levels, reduction of arable land in many areas, and greater potential for water contamination and pest outbreaks.

How Does ENERGY STAR Help?

By reducing the amount of electricity required to operate your copier, ENERGY STAR helps to prevent the emission of greenhouse gases as well as sulfur and nitrous oxides. By increasing the practice of duplex copying, ENERGY STAR labeled copiers also reduce paper use and the corresponding energy used to produce paper.

The US EPA estimates that the use of ENERGY STAR compliant copiers alone could save over *2.6 billion* kilowatt-hours in the United States *each year* by the year 2000—this eliminates the emission of over 650,000 metric tonnes of carbon and saves customers over \$200 million in utility bills every year!



WHAT ARE THE ENERGY SAVING FEATURES ON MY COPIER?

Low-Power Mode

This feature allows your ENERGY STAR labeled copier to reduce the amount of energy consumed while it is not in active use. Since most copiers are not used constantly, this saves considerable energy. In fact, most copiers are in active use only about 5% of the time! After 15 minutes of idle time, your copier will enter its Low-Power mode; when you are ready to copy again, you will notice almost no delay.

Auto-Off

When your copier is idle for long periods of time (from 30 minutes up to a maximum of 4 hours), it will automatically shut down. In this state, your copier will consume very little power (5–20 Watts, depending on the copying speed). This feature allows for *major* energy efficiency gains, particularly for offices where copiers tend to be left on all the time.

Automatic Duplex

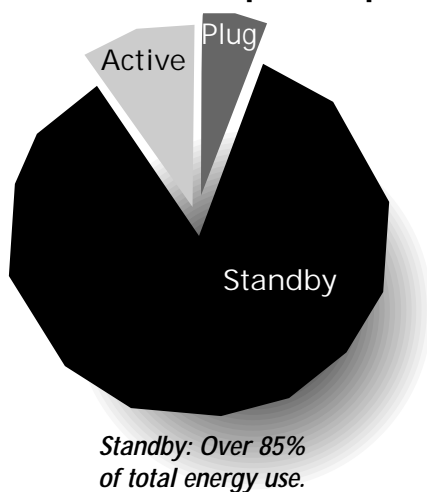
This feature is optional for medium-speed copiers (20 to 44 copies per minute) and is included on all high-speed copiers. Your copier will be set to automatically duplex your document (copy from single-sided to double-sided), unless you indicate that you need a different set-up on the control panel. This helps your office to become more paper efficient, duplexing as frequently as possible.

Weekly Timer

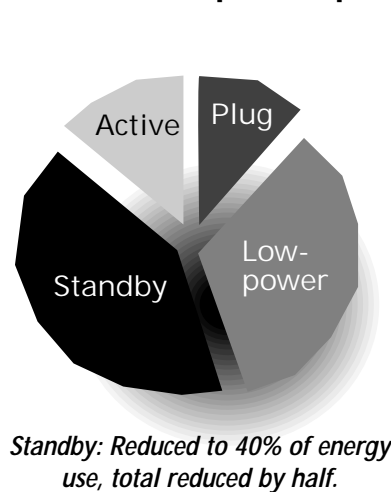
This optional feature allows you to preset the times when your copier will automatically turn on and off. This way, you can always be sure that the copier is ready when you begin your day and that it is not left on overnight. It also keeps the copier off over weekends and holidays, or any days that your office is usually closed. Of course, if you do need to make copies on a weekend, you can simply turn the copier back on manually.

ANNUAL kWh USAGE

Non-ENERGY STAR Compliant Copier



ENERGY STAR Compliant Copier



Conventional copiers are left on even when they are not active (standby mode) and even consume a bit of power when they are off (plug mode). The low-power mode reduces the power used while the copier is in standby mode, and the auto-off feature reduces overall energy consumption by turning the copier off when it is not in use for a specified period of time.

HOW CAN I MAKE THE MOST OF THE ENERGY STAR FEATURES?

Because the energy saving features on ENERGY STAR labeled copiers are new to many people, achieving the highest levels of energy efficiency may require some changes in habit, and perhaps some brief training for copier users. For example, new users might not know how to adjust the controls to make a single-sided copy for a specific job, or may not recognize when a copier is in the low-power mode.

Some people may find that the short wait for a copier to exit lower power modes, or the automatic duplexing feature, cause slight inconveniences. Many customers find that over time, the benefits of the energy savings—reduced utility bills, lower paper purchase costs, and reduction of greenhouse gas emissions—are worth the change.

If you have tried to use the features on your ENERGY STAR labeled copier and find that you're not satisfied, your service representative will work with you to meet your needs. For example, the default times for the low-power and auto-off modes can be adjusted to suit your office's copying patterns. Please let EPA know if you have any questions or suggestions about this program.

To Provide Comments About ENERGY STAR Features:

Program Manager	Telephone: 1-888-STAR-YES
ENERGY STAR Office Equipment	(1-888-782-7937)
US EPA (6202J)	Via Internet:
Washington, DC 20460	http://www.epa.gov/energystar/office.html

